

1 Attorney Docket No. 83342

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3 APPARATUS AND METHOD FOR CALIBRATING VOLTAGE SPIKE WAVEFORMS

4 FOR THREE PHASE ELECTRICAL DEVICES AND SYSTEMS

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6 ABSTRACT OF THE DISCLOSURE

7 An apparatus and method for calibrating three-phase
8 voltage spike waveforms used in testing three-phase
9 electrical devices. The apparatus includes a circuit having
10 a plurality of phase voltage lines and a ground line. Phase
11 voltage outputs and a ground output are provided for
12 connection to a device under test. A selection circuit
13 selects one of the phase voltage lines and provides a
14 synchronization voltage signal based on the other lines. A
15 voltage spike generator is joined to the selection circuit
16 for generating a voltage spike waveform synchronized with
17 the voltage signal. Additional circuitry is joined to the
18 voltage spike generator, the phase voltage lines and the
19 outputs which applies the voltage spike waveform across the
20 selected phase voltage line and the ground line.